LIST OF PUBLICATIONS

Manuscripts in Preparation

<u>E. Farahani</u>, B. Savan, K. Trinh, A. Loader, L. Gelinas, I. Stefanovic, Z. Matson. *Taking Advantage of Theories in Behavioural Economics in Modifying the Theory of Planned Behaviour to Trigger Conservation Action*, to be submitted to J. Env. Behaviour.

<u>E. Farahani</u>, K. Trinh, A. Adams, B. Savan, *Temporal Design and Test of Feedback Interfaces*, to be submitted to Energy and Environment.

<u>E. Farahani</u>, P. Park, N. McFarlane, T.G. Shepherd, R. Vieth, S. Malik. *Impact of Climate-Induced UV Radiation Changes on Human Health*, to be submitted to Can. J. Pub. Health.

<u>E. Farahani</u>, N. McFarlane, T.G. Shepherd. *Have We Forgotten about Ozone in the Climate Change Era? Maybe Not!* A popular article prepared for in-flight magazine of Air North.

<u>E. Farahani</u>, K. Strong, R.L. Mittermeier, C. McLandress, H. Fast, T.G. Shepherd, M.P. Chipperfield. Springtime Arctic Ground-based Spectroscopy of O3 and Related Trace Gases at Eureka, Canada: Part II - Ground-based Observations of Stratospheric Species during Spring 1999 to 2003 at Eureka, Canada and Comparisons with Results from Three-dimensional Models. Atmos. Chem. Phys.

Refereed Publications

<u>E. Farahani</u>, N. McFarlane, R.L. Batchelor, R.L. Collins, V.L. Harvey, N.J. Livesey, G.L. Manney, M.L. Santee, K. Strong, and K.A. Walker. *Features of the Arctic Stratosphere During IPY*. SPARC Newslett., pp. 6-13, 33, 2009.

<u>E. Farahani</u>, K. Strong, R. Mittermeier, H. Fast, M. Van Roozendael, and C. Fayt. *Springtime Arctic Ground-based Spectroscopy of O3 and Related Trace Gases at Eureka, Canada: Part I - Evaluation of the Analysis Method and Comparison with Infrared Measurements.* J. Atmos. Measur. Tech. Disc., 2009.

<u>E. Farahani</u>, H. Fast, R.L. Mittermeier, Y. Makino, K. Strong, C. McLandress, T.G. Shepherd, M.P. Chipperfield, J.W. Hannigan, M.T. Coffey, S. Mikuteit, F. Hase, T. Blumenstock, U. Raffalski. *Nitric Acid Measurements at Eureka, Thule and Kiruna Obtained in Winter 2001/2002 Using Solar and Lunar Fourier Transform Infrared Absorption Spectroscopy and Comparison with Results from Three-dimensional Models*. J. Geophys. Res., 112, 10.1029/2006JD007096, 2007.

S.M.L. Melo, <u>E. Farahani</u>, K. Strong, M.R. Bassford, and K.E. Preston. *NO*₂ *Vertical Profiles Retrieved from Ground-Based Measurements during Spring 1999 in the Canadian Arctic*. Advances in Space Research, pp. 786-792, 34(4), 2004.

Conference Presentations including Papers in Proceedings and Non-refereed Journals

<u>E. Farahani</u>, *Impact of Climate-Induced UV Radiation Changes on Human Health*, Presentation at the CSPARC meeting, Faculty Club, Toronto, ON, Canada, December 7, 2010.

N. McFarlane, E. Farahani, D. Pendlebury, SPARC-IPY and Beyond, SPARC Newslett., pp. 5, 33, 2009.

B. Savan, <u>E. Farahani</u>, Z. Matson, *The Study of Energy Conservation: Integrating Engineering and the Social Sciences*, Presentation at the Behavior, Energy and Climate Change Conference, Sacramento, CA, USA, November 14-17, 2010.

<u>E. Farahani</u>, K. Strong, R.L. Mittermeier, H. Fast, T.G. Shepherd, *Springtime Arctic Measurements of Trace Gases at Eureka, Canada: Statistical Comparisons with Results from Atmospheric Models*, Presentation at the 44th Annual CMOS Congress, 3rd Joint CMOS-CGU Congress, Ottawa, ON, Canada, May 31-June 4, 2010.

<u>E. Farahani</u>, *The Study of Energy Conservation: Integrating Engineering and the Social Sciences*, Public presentation at the Earth Day at the Center for Environment, Toronto, ON, Canada, April 22, 2010.

<u>E. Farahani</u>, B. Savan, *Turning Vulnerability to Strength: Building Capacity for Sustainability Science Among Outstanding African Youth*, Presentation at the Perimeter Institute, Waterloo, ON, Canada, April 8, 2010.

<u>E. Farahani</u>, *Our Reminder after Copenhagen: Potential Risks, Possible Solutions, Probable Actions*, Public presentation at the Lunch & Learn at the Center for Environment, Toronto, ON, Canada, March 28, 2010.

<u>E. Farahani</u>, N. McFarlane, T.G. Shepherd, *Early Results of the SPARC- IPY Project*, NSERC meeting - The IPY Canada Early Results, Ottawa, ON, Canada, February16-18, 2010.

<u>E. Farahani</u>, *The Earth's Balance Sheet – Numbers, Not Adjectives!* Public presentation the Royal Bank of Canada Club, Toronto, ON, Canada, November 25, 2009.

<u>E. Farahani</u>, *Climate Change Is What Happens While We Are Busy Making Other Plans!* Public presentation at the Club of Professional Engineers, Toronto, ON, Canada, October 15, 2009.

<u>E. Farahani</u>, N. McFarlane, R.L. Batchelor, R.L. Collins, V.L. Harvey, N.J. Livesey, G.L. Manney, M.L. Santee, K. Strong and K.A. Walker. Features of the Arctic stratosphere during IPY. MOCA-09, Montreal, QC, Canada, July 19-29, 2009.

<u>E. Farahani</u>, *Climate Change Is What Happens While We Are Busy Making Other Plans!* Public presentation at the Schulich School of Business, Toronto, ON, Canada, January 27, 2009.

<u>E. Farahani</u> and N. McFarlane. *Above the Poles: Ozone Research and Polar Vortex*. WCRP News, e-zine Number 12, December 24, 2008.

<u>E. Farahani</u>, S. Polavarapu, T.G. Shepherd and N. McFarlane. *The Structure and Evolution of the Polar Stratosphere and Mesosphere during IPY – Results from SPARC-IPY*. Presentation at the Arctic Change 2008, Quebec City, QC, Canada, December 9-12, 2008.

<u>E. Farahani</u>, R. Ravishankara, and V. Ryabinin. *On Feasibility of a SPARC Polar Initiative*. Presentation at the 16th SPARC Scientific Steering Group Meeting, Toronto, ON, Canada, November 10-13, 2008.

<u>E. Farahani</u>, R. Collins, G. Manney, N. McFarlane, and T.G. Shepherd. *The Structure & Evolution of the Polar Stratosphere & Mesosphere during IPY – SPARC-IPY: Early Results*. Presentation at the SPARC 4th General Assembly, Bologna, Italy, August 30-September 6, 2008.

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<u>E. Farahani</u> and N. McFarlane. *SPARC-IPY Overview*. Presentation at the First International POLARCAT Science Planning Meeting, Paris, France, June 1-5, 2007.

<u>E. Farahani</u>, H. Fast, R.L. Mittermeier, Y. Makino, K. Strong, C. McLandress, T.G. Shepherd, M.P. Chipperfield, J.W. Hannigan, M.T. Coffey, S. Mikuteit, F. Hase, T. Blumenstock, U. Raffalski. *Lunar and solar FTIR Nitric Acid Measurements at Eureka in Winter 2001/2002: Comparisons with Observations at Thule and Kiruna and with CMAM and SLIMCAT Model Calculations*. Presentation at the 40th Annual Canadian Meteorological and Oceanographic Society, Toronto, ON, Canada, May 29-June 1, 2006.

<u>E. Farahani</u>, K. Strong, H. Fast, R.L. Mittermeier, C. McLandress, T.G. Shepherd, M.P. Chipperfield. *Four Years of Stratospheric Composition Measurements in the Canadian High Arctic and Comparison with Atmospheric Models Chemical Fields*. Presentation at the 40th Annual Canadian Meteorological and Oceanographic Society, Toronto, ON, Canada, May 29-June 1, 2006.

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<u>E. Farahani</u>, K. Strong, J.M. Walker, C. McLandress, D. Sankey, T.G. Shepherd, R.L. Mittermeier, H. Fast, M.P. Chipperfield, A. Richter, and P.F. Fogal. *Comparison of Stratospheric Measurements in the Canadian High Arctic with the CMAM and SLIMCAT Models: 1999 – 2000.* Presentation at the Quadrennial Ozone Symposium, Kos, Greece, June 1-8, 2004. Proceedings of the Quadrennial Ozone Symposium, pp. 952-953, 2004.

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